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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/003,574	10/24/2001	Hannu Kuoksa	33047/240187	5083
826 ALSTON & B	7590 10/19/2007 IRD LLP	EXAMINER		
BANK OF AM	IERICA PLAZA	HENDRICKSON, STUART L		
101 SOUTH TRYON STREET, SUITE 4000 CHARLOTTE, NC 28280-4000			ART UNIT	PAPER NUMBER
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			MAIL DATE	DELIVERY MODE
			10/19/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application	n No.	Applicant(s)			
Office Action Summary		10/003,57	4	KUOKSA, HANNU			
		Examiner		Art Unit			
		Stuart Hen	drickson	1793			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE in the may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. It is period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF TH 36(a). In no ever vill apply and will cause the appl	IIS COMMUNICATION ont, however, may a reply be time II expire SIX (6) MONTHS from to ication to become ABANDONED	l. ely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status			·				
1)🖂	Responsive to communication(s) filed on <u>24 August 2007</u> .						
'—	This action is FINAL . 2b) This action is non-final.						
3)							
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4) Claim(s) 1-6,8-12,14,15 and 26 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-6,8-12, 14, 15, 26 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.							
Application Papers							
9)□ 10)□	The specification is objected to by the Examiner The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the o Replacement drawing sheet(s) including the correcti The oath or declaration is objected to by the Examiner	epted or b)[drawing(s) b on is require	e held in abeyance. See ed if the drawing(s) is obje	ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
Attachment(s)							
1) Notice 2) Notice 3) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date		4) Interview Summary (Paper No(s)/Mail Dat 5) Notice of Informal Pa 6) Other:	te			

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The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1-6, 8-12, 14, 15 and 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Baines 5822220 taken with Mosow 5213663, Hultman et al. 4311666 and Engdahl 4762590.

Baines teaches in columns 5 and 9 computer control of a causticization process. The computer can monitor any parameter characteristic of the system and send via feedback loop controls to other inputs to achieve a stable reaction system. The differences versus the claims is what variables are monitored. Musow teaches in columns 2 and 4 that each system can have a different variable measured, like titratable alkali or density. Hultman teaches the measurement of green density and control of white infeed. Concerning the addition of white liquor to the process, Engdahl teaches this in col. 3 and fig. 1.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to control the infeeds as in Hultman and monitor the density or alkali in the process of Baines because doing so asserts control over the process for monitoring for optimum results. Adding white liquor is an obvious expedient to form the desired carbonate product. Note that in general, processes can be optimized (In re Boesch 205 USPQ 215). The workings of how the computer makes calculations (claims 8, 12, 14) are deemed conventional as to how computer control programs work- see Baines columns 8-9. Choosing coefficients which accurately model reality is an obvious expedient, to assure efficiency.

Applicant's arguments filed 8/24/07 have been fully considered but they are not persuasive. Previous arguments and comments are incorporated herein by reference; using a different equation to monitor a process is an obvious expedient, given the teachings of the references. The references need not use the identical schemes of monitoring and controlling. It is also noted, that in general chemists like to control the amounts of reagents, to control yield, cost and efficiency. The arguments are to the references separately and are conclusionary. They

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overlook what is obvious to the artisan of ordinary skill and are thus not persuasive. The examiner agrees (pg. 9 bottom) that when the prior art teaches a variety of computer control schemes and an applicant picks one which is suggested, they should not expect a patent. Concerning Hultman, a copy of the reference is available. See col. 1 lines 20-25 and col. 10 lines 10-15.

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THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication should be directed to examiner Hendrickson at telephone number (571) 272-1351.

Stuart Hendrickson examiner Art Unit 1754